

PRO X77 5-Inch 2-Way Metal Cabinet Speaker

INTRODUCTION

This speaker's internal elements were exclusively designed to maintain shape through all phases of operation, move diaphragm elements with efficient speed, and reproduce high frequencies extremely well.

The 5" driver in this speaker is specially designed to accurately produce all sonic information from 90 Hz to over 2.5 kHz. The pliable diaphragm in the 3" x 3 $\frac{1}{2}$ " driver can accurately, and with extraordinarily low distortion, produce sonic information from 2.5 kHz to 25 kHz. Its unique design means there is virtually no physical limitation to its production of high-frequency sound.

This speaker gives you amazing music reproduction in a small enclosure. It produces high sound quality with very low distortion, and actually delivers decreasing distortion as the sound moves to the higher frequency ranges.

Its features include:

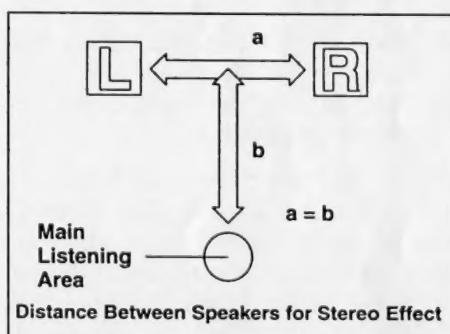
Linæum® Tweeter — uses a pliable diaphragm to reduce or eliminate distortion caused by excess vibration. It also can reproduce higher frequencies (over 20 kHz) without being limited by its physical construction.

High-Compliance Woofer — accurately tracks signals to provide outstanding bass.

Acoustic Design — provides broad, smooth frequency response.

SPEAKER PLACEMENT

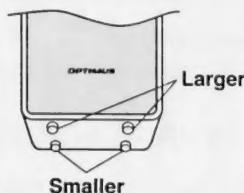
For the best stereo image, place a pair of speakers so the distance between them is about the same as the distance between the listening area and the point halfway between the speakers.



If you must place the speakers farther apart, turn them slightly inward. If you must place them closer to each other, turn them slightly outward. You might want to experiment with your speakers' placement to discover the best location for them.

USING THE RUBBER FEET

You can use the supplied self-adhesive rubber feet to avoid scratching your furniture.



1. Remove the paper backing from the two larger feet and press them against the front of the bottom of the speaker.
2. Remove the paper backing from the two smaller feet and press them against the back of the bottom of the speaker.

Note: You can place your PRO X77s using speaker stands (Cat. Nos. 40-2068A or 40-2069A), or mount them in a vehicle, on a wall, under a shelf, or on a ceiling using optional wall-mount brackets (Cat. No. 40-2067A). Follow the instructions provided with the stands or brackets.

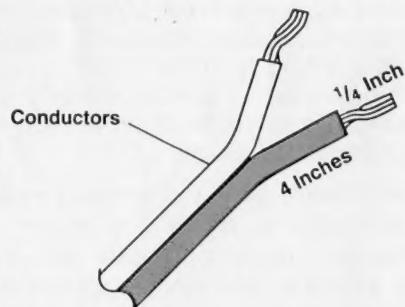
CONNECTIONS

With the speakers placed in their approximate locations, measure the distance from each speaker to your receiver/amplifier.

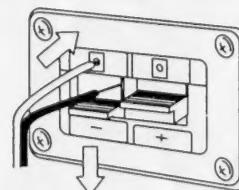
Use 18-gauge speaker wire for distances of 50 feet or less. For distances greater than 50 feet, use heavier 16-gauge wire.

Note: For maximum bass response and the best overall performance, connect your speakers so they are in phase with each other (+ with +, - with -). You can easily make the proper connections with coded speaker wire available at your local Radio Shack store.

1. Separate the wire's two conductors at both ends for a length of about 4 inches.
2. Strip the insulation from the ends of each conductor to expose $\frac{1}{4}$ inch of metal wire.



3. Press the tab on the left speaker's negative (-) terminal and insert one of the wire ends. Then release the tab.



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4. Press the tab on the left speaker's positive (+) terminal and insert the other wire end. Then release the tab.
 5. Using the speaker's wire code as a guide, connect the left speaker's negative (-) terminal to the receiver/amplifier's left negative (-) terminal.
Then connect the left speaker's positive (+) terminal to the receiver/amplifier's left positive (+) terminal.
 6. Repeat Steps 3-5 to connect the right speaker.

MAINTENANCE

Your Optimus PRO X77 5-Inch 2-Way Metal Cabinet Speaker is an example of superior design and craftsmanship. The following suggestions will help you care for your speaker so you can enjoy it for years.

- Keep the speaker dry. If it gets wet, wipe it dry immediately. Liquids can contain minerals that can corrode the electronic circuits.
- Handle the speaker gently and carefully. Dropping it can damage circuit boards and cases and cause the speaker to work improperly.
- Use and store the speaker only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.
- Keep the speaker away from dust and dirt, which can cause premature wear of parts.
- Wipe the speaker with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the speaker.

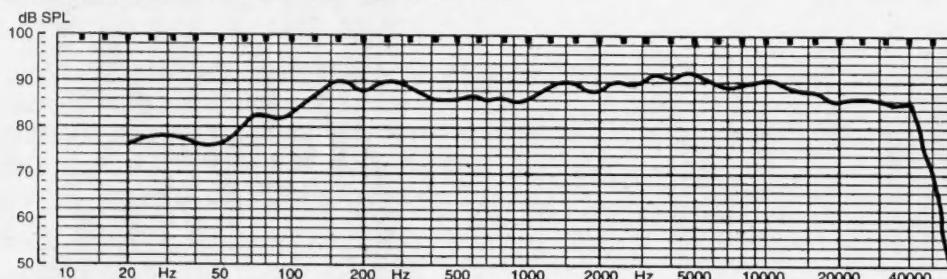
Modifying or tampering with the speaker's internal components can cause a malfunction and might invalidate the speaker's warranty. If your speaker is not performing as it should, take it to your local Radio Shack store for assistance.

SPECIFICATIONS

Frequency Response	90-25,000 Hz
Power Handling	55 Watts (RMS)
Maximum Power	110 Watts
Impedance	8 Ohms
Speaker Complement	5" (12.7 cm) High-Compliance Woofer, 3" x 3½" (7.6 x 9 cm) Linæum Mono-Pole Tweeter
Enclosure	Die Cast Aluminum Cabinet
Dimensions	9 x 6 x 6 Inches (22.8 x 15.2 x 15.2 cm)(HWD)
Weight	6 Lbs (2.7 kg)
Accessory	Rubber Feet

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

FREQUENCY RESPONSE CURVE



RADIO SHACK LIMITED WARRANTY

This product is warranted against defects for 5 years from date of purchase from Radio Shack company-owned stores and authorized Radio Shack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply bring your **Radio Shack sales slip** as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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